

installation tools

Site installation of thermoplastic pipework is straightforward and can usually be completed in a fraction of the time taken to install metallic systems.

PVC-U, PVC-C and ABS systems can all be joined together using a cold solvent welded method which requires no specialised equipment. Polypropylene, Polyethylene and PVDF are resistant to most organic solvents, however, and require heat to weld the material.

Regardless of the choice of material, installation time and efficiency is greatly improved by using the correct tool for the job. In this section we include tools for cutting, chamfering and joining plastic pipes from the extensive Reed Tools range.

Also included is a selection from the WIDOS range of socket fusion welding machines, and from the GAWAPLAST range of butt fusion welding machines. This equipment is available both for sale and hire.

For jointing High Purity PVDF, AGRU offer a range of technically advanced welding equipment designed to ensure cleanliness and consistency.

Detailed installation instructions for all systems are freely available on request. Where required, we are delighted to provide training, either on or off site.

section guide

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Reed pipe tools and vises



Reed have been producing fine tools for professional craftsmen since 1896. Reed engineers have developed many of the most innovative and effective tools in the industry - such as the quick release tubing cutter, the hinged cutter, the rotary cutter, and recently, the universal pipe cutter. Many of these tools have been copied by others, but through continuous improvements and dedication to quality workmanship, Reed products remain the finest in the world.

The selection of Reed products shown here are suitable for a wide variety of plastic piping products, and are taken from their comprehensive range for all pipework materials. Please enquire for details on the complete Reed range.

Strap Wrenches

- ✓ Strong grip without scratching or deforming pipe
- ✓ Coated polyester strap is far superior to cheaper cotton straps

Pipe Capacity O.D. (mm)	Code	Price
10-63	02248	47.18
33-127	02249	93.31
60-324	02250	117.98



Cutting Shears

- ✓ Ratchet operation
- ✓ Smooth, one hand use
- ✓ Larger shears have long handle for added leverage
- ✓ Suitable for rigid and flexible PVC-U, ABS, PP, PB and PE

Max. Pipe O.D. (mm)	Code	Price
42	04176	98.11
42	04175*	113.87
63	04177	188.95

* Stainless steel blade



Plastic Pipe Saws

- ✓ Tooth design, set and hardness specially designed for plastic
- ✓ Simultaneous forward and backward cutting
- ✓ Replaceable blades

Max. Pipe O.D. (mm)	Code	Price
150	04720	46.01
200	04724	48.21
Replacement blade (150)	94720	21.07
Replacement blade (200)	94724	22.17



Quick Release Cutters

- ☒ Cutter wheels for a variety of materials
- ☒ Easy cutter wheel replacement

Pipe o.d.	Code	Wheel	Material cut	Price
3-33	04110	OP2	PE/PB/ABS	70.63
3-33	04114	1-2 PVC	PVC-U/PVC-C	69.01
6-63	04120	OP2	PE/PB/ABS	120.44
6-63	04124	1-2PVC	PVC-U/PVC-C	118.30
10-90	04130	30-40P	PE/PB/ABS	151.66
10-90	04134	3-6 PVC	PVC-U/PVC-C	145.90
48-114	04140	30-40P	PE/PB/ABS	175.80
48-114	04144	3-6 PVC	PVC-U/PVC-C	170.89
63-125	04150	30-40P	PE/PB/ABS	197.99
102-168	04160	30-40P	PE/PB/ABS	222.65
102-168	04164	3-6 PVC	PVC-U/PVC-C	216.91
102-168	04125	680PVC	PVC-U HEAVY WALL	216.91
159-254	04170	80P	PE/PVC-U/PVC-C	729.54

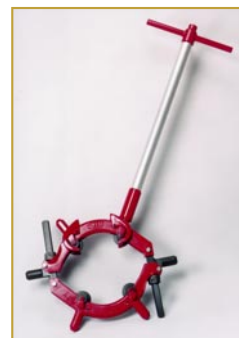
Spare cutter wheels available on request



Large Diameter Pipe Cutters

- ☒ Excellent for in trench or above ground cutting
Only 150mm-200mm clearance around the pipe required
- ☒ Outboard rollers keep cut square
- ☒ Long lasting carbide-tipped blades will cut up to 50mm wall

Max. Pipe O.D.	Code	Price
111-241	04465	1220.81
160-315	04470	1322.69
355-500	04475	1869.81
355-630	04480	2075.20
355-800	04485	2257.59



Bevellers

- ☒ Aluminium frame
- ☒ Long tool life
- ☒ Adjustable for pipe size with no part changes
- ☒ Produces smooth 15° bevel

Pipe O.D.	Code	Price
40-200	04395	274.39
40-300	04398	442.81



Deburring Tools

- ☒ DEB 0 removes internal and external burrs on all size pipes
- ☒ DEB 1 chamfers and deburrs pipe
- ☒ DEB 2 deburrs inner and outer edges of pipe
- ☒ DEB 3 removes internal and external burrs on all size pipes
- ☒ DEB 4 chamfers and deburrs pipe

Type	Pipe Size	Code	Price
DEB 0	All	04434	8.46
DEB 1	1/2" 3/4" & 1"	04650	101.99
DEB 2	Up to 2"	04436	26.80
DEB 3	All	04437	19.38
DEB 4	1 1/4" to 4"	04430	91.88



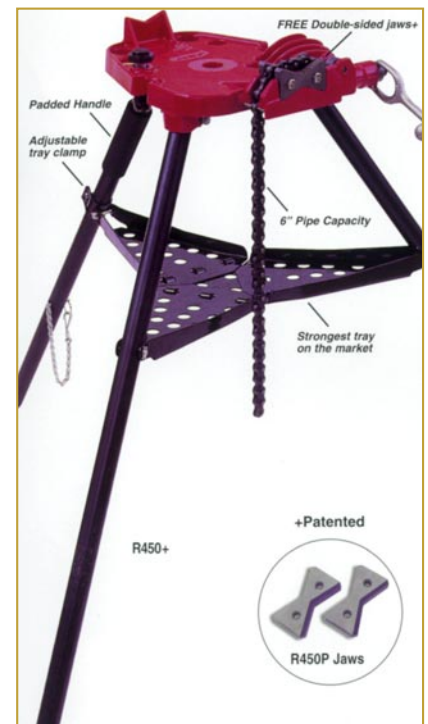
Tristands

- ✓ Lightweight for easy portability
- ✓ Large top tray with bending slots
- ✓ Double faced jaws give twice the length of service
- ✓ Heavy gauge steel and special design for stability
- ✓ Special version (R405P) for plastic pipes
- ✓ Also available for clean room use

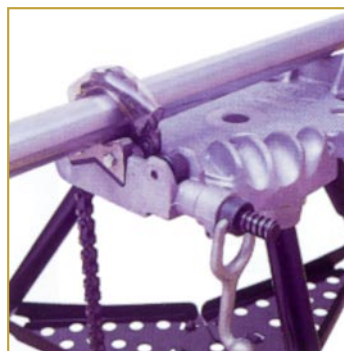
Catalogue No.	Item Code	Vice Style	Pipe Capacity (mm)	Folded Length (mm)	Weight kg	Price
R450+	02306T	Chain	10-178	1118	16	705.72
R450P	04457	Chain	10-178	1118	16	742.68
R450C	04458	Chain	10-178	1118	16	776.36
R450GB	02307	Chain	10-114	1118	13	612.76
R450E	02308	-	178 max.	1118	15	718.60
R40+v	02311	Yoke	10-75	1295	18	695.27

More About Tristands

- R450+: two sided jaws for up to 6" metal pipe
- R450P: for plastic pipe up to 6"; one side of jaw for metal, one side for plastic pipe
- R450C: 410 stainless steel jaws, with rubber on one side; anodized (not painted) aluminium base; clear polymer sliptube over chain; good for clean room use
- R450GB: aluminium legs for weight critical field uses; up to 4" pipe capacity
- R450E: European style portable workbench with multiple vise options; user to mount vise in cast holes and slots
- R40+: two sided lower jaw for up to 2½" metal pipe; yoke vise for holding work tightness of all these TriStand models.



R450+



R450C



R450GB



R40+

Chain Vises

- ✓ Dual purpose jaws to hold metal and plastic pipes
- ✓ Jaws easily rotated to different positions
- ✓ Ideal for bench mounting or to fit to Reed Tristand

Pipe Capacity O.D. (mm)	Code	Price
10-75	04450	173.37
10-114	04452	299.87
10-178	04457*	742.68

* Complete with Tristand



Field Pipe Vises

- ✓ Holds pipe up to 20" (500mm) diameter
- ✓ Lightweight (10kg without legs).

Pipe O.D. (mm)	Code	Price
50-500	06027	803.48

Tubular legs and backbone must be ordered separately.



Pipe Jacks

- ✓ Adjustable screw and hardened steel locking ring
- ✓ Large 907kg weight capacity
- ✓ Roller head jack has extra wide bearing for greater strength and tool life
- ✓ Pipe capacity up to 24" (610mm).



Code	Description	Pipe Capacity (mm)	Height adj.	Price
06350	V-Head High Jack	up to 610	610-1190	156.60
06352	Roller Head High Jack	up to 610	610-119	144.92
06351	Ball Transfer Head Attachment (Pair)	10-300	-	188.95



Free Training

We can provide free installer training either on site or at our bespoke training facility.

Contact Tony Charlton or Tom Tate on:

0800 975 79 71



Reed Test Pump

NEW



- ✓ Driven by either a cordless, or electric drill (not included).
 - 1500 RPM drill recommended; pump range 300 - 2000 rpm
- ✓ Ideal for testing commercial and domestic water systems.
- ✓ Complete with a 4.5 meter High Pressure Output Hose with quick disconnect coupling. Output pressure can be adjusted easily from 0-34 bar.
- ✓ Only 3.9 kg in weight, this compact pump is easily handled and transported.



Code	Price
08177	522.45

Pipe Tec Plastic Pipe Joiner



- ✓ Quick and easy to use
- ✓ Lightweight
- ✓ Positive grip - will not crush, crack or notch plastic pipe
- ✓ Unique centre-line function assures proper alignment
- ✓ Allows pipe to fully penetrate fitting
- ✓ Will hold freshly cemented joints while curing
- ✓ For inch pipes in sizes 4" to 18", and metric 50mm to 150mm
- ✓ All necessary attachments included

Pipe Size	Code	Price
4" - 12"	P0412	1979.70
14" - 18"	P1418	4036.37
50mm - 150mm	P5150	1530.94

Exact Pipe Cutters

NEW

The fastest, easiest and safest way to cut plastic pipes.

The innovative new Exact Pipecutting System essentially resolves all the problems associated with pipe cutting.

A finished surface ready for installation

Exact PipeCut attaches to a pipe firmly. After attachment, the blade is automatically in the correct position and does not need to be guided. The blade chips through the pipe rather than grinding it. This creates burr-free surfaces that are ready for jointing.

Superior work comfort

The entire weight of Exact PipeCut rests on the pipe being cut, so using it is easy and safe, even in tight spaces. Only about a metre of working room is required. Heavy pipes need not be lifted onto a work table, but can be cut at floor level. During operation, the saw is firmly attached to the pipe and cannot work itself loose from the operator's grasp. Nor does it need to be supported or guided. Cutting small-diameter pipes to size is effortless and quick on a work table, too.

Complete System

Each Exact PipeCut System is supplied complete with:

- PipeCut Machine
- Blade
- System Carry Case Holdall
- Set of Pipe Support Rollers
- Allen Keys
- DVD User Manual & Booklet



Exact PipeCut 170 technical specifications:

Voltage	110V / 50 HZ
Power input	1010W
Unloaded speed	4000 rpm
Periodic operation	S3 25%
Blade diameter	140mm
Arbor hole	62mm
Weight	5.7kg
Cutting range	15mm - 170mm
Maximum thickness	Plastics: 14mm



Exact PipeCut 280E technical specifications:

Voltage	110 and 230V / 50-60Hz
Power input	1750W
Unloaded speed	1-2000 rpm, 2-3900 rpm
Periodic operation	2.5 min ON / 7.5 min OFF (S3 25%)
Blade diameter	160mm
Arbor hole	62mm
Weight	9.0kg
Cutting range	40mm - 280mm
Maximum thickness	38mm



Exact PipeCut P400 technical specifications:

Voltage	110 and 230V / 50-60Hz
Power input	1010W
Unloaded speed	4000 rpm
Periodic operation	2.5 min ON / 7.5 min OFF (S3 25%)
Blade diameter	150mm
Arbor hole	62mm
Weight	6.0kg
Cutting range	150mm - 400mm
Maximum thickness	25mm

Exact PipeCut Model	Pipe Diameter Cutting Range	Max Pipe Wall Thickness - Plastic	Price
Exact PipeCut System 170	15 - 170mm	14mm	993.72
Exact PipeCut System 280E*	40 - 280mm	38mm	1988.81
Exact PipeCut System P400	100 - 400mm	25mm	1603.88



* Electronic, variable speed motor

repairs and solvent welding

Stop It® pipe repair system



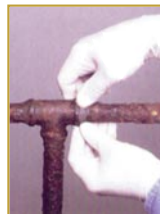
This in-field repair system can be quickly applied without any tools, and cures hard in 30 minutes. It works on all metal and plastic lines and when cured has excellent chemical and abrasion resistance. Each kit contains a hand-mouldable epoxy to plug leaks, voids or cracks, and a water-activated repair tape to wrap and add strength to the seal.



Leaking Joint



Roughens surface



Apply FixStix™



Add Stop It®



Coverall leaks



Mould into shape

After 30 minutes cure will withstand up to 27 bar!

Stop It® Pipe Repair System



- ✓ Repairs all metal or plastic pipes
- ✓ Fully cures in 30 minutes
- ✓ Can be applied underwater
- ✓ Pipe does not have to be clean or dry
- ✓ Excellent chemical resistance
- ✓ After cure, will withstand up to 27 bar pressure
- ✓ Complete kit including gloves

Size of Tape	Code	Price
2" wide x 4' long	STOP-240	40.27
2" wide x 12' long	STOP-212	59.23

Stop It® Product Selection Guide

Pipe Size		Quantity 2" x 4'		Quantity 2" X 12'	
Nominal Inch Size	O.D. mm Size	Is Your Pressure Below 100 psi?	Is Your Pressure Above 100 psi?	Is Your Pressure Below 100 psi?	Is Your Pressure Above 100 psi?
1/2"	20	1 roll	1 roll	Use smaller size	Use smaller size
3/4"	25	1 roll	2 rolls	Use smaller size	Use smaller size
1"	32	1 roll	2 rolls	Use smaller size	Use smaller size
1-1/4"	40	1 roll	2 rolls	Use smaller size	Use smaller size
1-1/2"	50	2 rolls	2 rolls	Use smaller size	Use smaller size
2"	63	2 rolls	Use larger size	1 roll	1 roll
2-1/2"	75	2 rolls	Use larger size	1 roll	1 roll
3"	90	2 rolls	Use larger size	2 rolls	2 rolls
3-1/2"	-	Use larger size	Use larger size	2 rolls	2 rolls
4"	110	Use larger size	Use larger size	2 rolls	3 rolls
5"	140	Use larger size	Use larger size	2 rolls	3 rolls
6"	160	Use larger size	Use larger size	2 rolls	3 rolls
8"	225	Use larger size	Use larger size	3 rolls	4 rolls
10"	280	Use larger size	Use larger size	4 rolls	5 rolls
12"	315	Use larger size	Use larger size	4 rolls	5 rolls
14"	355	Use larger size	Use larger size	5 rolls	6 rolls
16"	400	Use larger size	Use larger size	5 rolls	7 rolls
18"	450	Use larger size	Use larger size	6 rolls	8 rolls

All WELD-ON cements, primers and cleaning fluids are now LOW VOC



IPS Corporation produces a wide range of high strength WELD-ON® solvent cements for rigid and flexible plastic pipes and fittings. Our stock range includes cements for PVC-U and Corzan PVC-C, as well as applicators to ensure faster, better joints.

PVC-U Solvent Cements



719™

Extra heavy bodied, slow setting, PVC cement for all classes and schedules up to 30" diameter. It is a good fabrication cement, as it has excellent gap filling properties and because of its slow set, a good cement on large diameter pipe.

719-300 for 473ml tin Price: £19.35



919XG Cement™

NEW!

New THF free formulation. Extra heavy bodied, slow setting, PVC cement for all classes and schedules up to 30" diameter. It has excellent gap filling properties and because of its slow set, a good cement on large diameter pipe.

919XG-300 for 473ml tin Price: £19.35



725™ Wet 'R Dry™

Medium bodied, extremely fast setting, PVC cement for all classes and schedules up to 3" diameter interference fit. Specially formulated for applications where conditions are very wet and/or when quick pressurization is desired.

725-300 for 473ml tin Price: £18.45
725-400 for 240ml tin Price: £10.84

PVC-C Solvent Cements



724™

Heavy bodied, medium setting, Corzan PVC-C cement for all classes and schedules up to 12" diameter. Formulated for improved chemical resistance to caustics including hypochlorite solutions. **May be used on PVC industrial piping systems for chemical applications.**

Approved for Corzan™ Systems.
724-301 for 473ml tin Price: £23.76
724-201 for Quart tin Price: £42.75

PVC-U and PVC-C Primers



P-70™ Primer

P-70 is the most aggressive PVC and CPVC primer commercially available. Excellent product for cold weather applications. If use properly P-70 will soften pipe and fitting surfaces which is necessary for the proper solvent welding of the materials.

770-300 for Pint tin Price: £18.45
770-200 for Quart tin Price: £29.62

Jointing Applicators and Accessories



3020

Roll-A-Weld 3" roller for pipe diameters from 3" through 6"; fits MT-653 empty quart can. Price: £15.79



6020

Roll-A-Weld 4" roller for pipe diameters from 3" through 8"; fits standard quart can as well as MT-651 empty quart can. Price: £15.52



7020

Jumbo Roll-A-Weld 7" roller for pipe diameters of 6" or larger; fits MT-648 gallon can and cements available in wide mouth cans. Price: £19.35



4020

4" swab for pipe diameters of 6" or larger; fits MT-648 empty gallon can and cements available in wide mouth cans. Price: £19.35



5020

4" swab for pipe diameters from 3" through 8"; fits standard quart can as well as MT-651 empty quart can. Price: £15.52



Can-Mate Daubers

Adjustable plastic applicator with telescoping stem to fit all cans (except 1/4 pint). Available in 1/2", 3/4" and 1 1/2" dauber sizes.

CM-50 for 1/2"-1" pipe
CM-75 for 3/4"-1 1/4" pipe
CM-150 for 1 1/2"-3" pipe Price: £5.24



Brushes

PB-1: Plastic Handle Brush; fits standard pint and quart cans. Price: £8.72

CM BCP Can-Mate®: Adjustable Plastic Handle, Natural Bristle Brush; fits standard pint and quart cans. Price: £9.48



Empty Metal Cans

Available in MT-648 gallon, MT-651 quart, MT-653 quart (paint type) and MT-654 pint sizes.
MT-648 Price: £18.45
MT-651 Price: £5.74
MT-653 Price: £9.64
MT-654 Price: £4.80

Duratherm Hand-Held Welding Tool

- ✓ For use with external air supply (eg. DT6 or DT14)
- ✓ Compact and lightweight
- ✓ Continuous adjustment of welding temperature without changing air volume (Acc. DVS 2208)
- ✓ Built-in electronic temperature controls
- ✓ Automatic low air protection
- ✓ Air and electrical supply in one hose
- ✓ Fully rotating handle including nozzle

The Wegener Duratherm hot air welding tool is compact and easy to use, weighing 450 grams. It is for use with an external air supply.

It can be ordered with either 4m or 8m long hose.



Duratherm

Item	Code	Price
Duratherm with 4m hose	10816	342.96
Duratherm with 8m hose	10817	352.35
Heating element HEd 1000W	11858	52.25
Portable blower DT 4 (one connection)	15857	882.88
Portable blower DT 6 (two connections)	10825	1069.12
Portable blower DT 6L (two connection + air volume gauge)	10826	1244.62
Workshop blower WEG AB60 (one connection)	24528	797.30
Workshop blower WEG AB120L (two connections)	24530	1105.50
Workshop blower DT 14 (six connections)	10827	1738.98
Wegener air volume gauge	11087	184.89
Wegener digital temperature gauge including thermocouple	24644	273.29

Autotherm3 Hand-Held Welding Tool

- ✓ Integrated temperature control, infinitely variable adjustment of the welding temperature
- ✓ Air and electricity supply in one hose package
- ✓ Hose connection points diagonally downwards
- ✓ Handle including nozzle can be turned relative to the hose connection
- ✓ Safety cut out if air supply fails
- ✓ Heating element 1000W
- ✓ Available with 4m or 8m feeder hose

The Wegener hot gas welder with an external air supply combined with precision fans with a constant air flow are ideal for processing thermoplastics in the workshop or on site.



Autotherm3

Item	Code	Price
Autotherm 3 with 4m hose	25550	598.86
Autotherm 3 with 8m hose	25551	608.23
Heating element HEd 1000W	11858	52.25
Portable blower DT 4 (one connection)	15857	882.88
Portable blower DT 6 (two connections)	10825	1069.12
Portable blower DT 6L (two connection + air volume gauge)	10826	1244.62
Workshop blower WEG AB60 (one connection)	24528	797.30
Workshop blower WEG AB120L (two connections)	24530	1105.50
Workshop blower DT 14 (six connections)	10827	1738.98
Wegener air volume gauge	11087	184.89
Wegener digital temperature gauge including thermocouple	24644	273.29

See page 517 for details of welding nozzles

Exotherm & Airtherm Hand-Held Welding Tool

- ✓ User friendly compact devices with slim design
- ✓ Self contained powerful air supply
- ✓ Integrated output control
- ✓ Heating element safety cut-out
- ✓ Exotherm: integrated temperature control, infinitely variable adjustment of the welding temperature via push button
- ✓ Temperature range up to 600°C

The Wegener Exotherm and Airtherm hand-held welding tools with their self contained air supply and integrated fans are ideal for workshop and site work.



Airtherm 1600



Airtherm 3000

Item	Code	Price
Airtherm 1600	18283	265.27
20mm Wide slot nozzle for Airtherm 1600	18397	33.51
40mm Wide slot nozzle for Airtherm 1600	18398	33.51
5mm Round nozzle for Airtherm 1600	18400	33.51
Triple nozzle for Airtherm 1600	18401	33.51
Nozzle adaptor for Airtherm 1600	19504	38.19
Airtherm 3000	18284	320.20
75 x 2mm Wide slot nozzle for Airtherm 3000	18403	50.91
70 x 10mm Wide slot nozzle for airtherm 3000	18402	37.51
Exotherm 230v	25555	655.26
Exotherm 120v	25556	655.26



Exotherm

Duratherm SC Hand-Held Welding Tool

- ✓ Integral high volume air supply
- ✓ Compact and lightweight
- ✓ Continuous adjustment of welding temperature without changing air volume (Acc. DVS 2208)
- ✓ Built-in electronic temperature controls
- ✓ Automatic low air protection
- ✓ Hose connection to blower for ease of use

The Wegener Duratherm SC hot air welding tool has a separate blower to reduce the weight of the hand-held welding torch to approximately 450 grams. The compact, light weight of the tool combined with the 1.5 metre long hose allows greater freedom of movement for the operator.



Duratherm SC

Item	Code	Price
Duratherm SC	10818	628.33
Heating element HEd 1000W	11858	52.25

Complete Welding Kit

- ✓ Hot air welding torch Duratherm or Autotherm3
- ✓ Spare heating element HEd
- ✓ One tacking nozzle HD, one round nozzle RD 4mm, one high speed welding nozzles SSD 4mm and one round brush for cleaning nozzles
- ✓ On-site blower DT6L, WEG AB120L or WEG AB60 including air volume gauge
- ✓ Carrying case

Item	Code	Price
Duratherm Kit with 4m hose & DT6L	10819	1673.32
Duratherm Kit with 8m hose & DT6L	10820	1682.70
Duratherm Kit with 4m hose & WEG AB 120L	25291	1534.30
Duratherm Kit with 8m hose & WEG AB 120L	25292	1543.68
Duratherm Kit with 4m hose & WEG AB60	25725	1266.10
Duratherm Kit with 8m hose & WEG AB60	25726	1235.48
Autotherm3 Kit with 4m hose & DT6L	25727	1927.87
Autotherm3 Kit with 8m hose & DT6L	25728	1937.24
Autotherm3 Kit with 4m hose & WEG AB 120L	25293	1788.90
Autotherm3 Kit with 8m hose & WEG AB 120L	25294	1409.10
Autotherm3 Kit with 4m hose & WEG AB60	25723	1160.25
Autotherm3 Kit with 8m hose & WEG AB60	25724	1490.08

Hand Held Extrusion Welders

Wegener's extrusion welders combine a very compact and lightweight design with a high welding performance and excellent quality of the extrudate. All extruders in the Wegener EXWELD 2 series have an 3-zone extrusion screw and patented thermal isolation of the extruder from the drive. A rapid microprocessor based control system regulates the extrudate and air temperature, as well as the main drive.

The Wegener EXWELD 2 series features a modular design which allows users to perform minor maintenance and service work themselves. Even demanding materials such as CPVC can be easily processed with the corresponding PVC extruder version.

- ✓ **Wegener microprocessor control system for air and extrudate temperature and to control the motor**
- ✓ **Own air supply in the SC version through a Wegener Airtherm 2200W with separate control of air temperature**
- ✓ **Switch between actual and target value display**
- ✓ **Cold start protection**
- ✓ **Easily interchangeable PTFE welding shoe**



EXWELD alpha2 SC



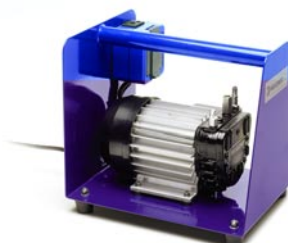
EXWELD sigma2 SC

Model	Code	Welding Capacity	Weight	Price
EXWELD sigma2 SC	22674	up to 1.9kg/h	6.3kg	3999.90
EXWELD sigma2 EC	23170	up to 1.9kg/h	5.3kg*	3999.90
EXWELD alpha2 SC	20354	up to 2.6kg/h	7.0kg	5339.90
EXWELD alpha2 EC	20249	up to 2.6kg/h	5.9kg*	5339.90
EXWELD beta2 SC	20356	up to 4.6kg/h	9.9kg	6362.32
EXWELD beta2 EC	20253	up to 4.6kg/h	8.9kg*	6362.32
EXWELD gamma2 EC	20357	up to 6.2kg/h	9.2kg*	5628.00

* without input lead (cable)

Blower DT4

- ✓ **For use with one welding torch**
- ✓ **0.4 Bar / up to 60 l/min**
- ✓ **0.35 kW A.C.motor**
- ✓ **230v**
- ✓ **Low operating noise**
- ✓ **Weight approximately 7.5 kg**



Item	Code	Price
Blower model DT4	15857	882.88

Blower DT6 & DT6L

- ✓ **For use with two welding torch**
- ✓ **0.6 Bar / up to 2x60 l/min**
- ✓ **0.35 kW A.C.motor**
- ✓ **230v**
- ✓ **Low operating noise**
- ✓ **Ideal for long air supply hoses**
- ✓ **Weight approximately 9.5 kg**
- ✓ **DT6L includes air flow meter**



Item	Code	Price
Blower model DT6	10825	1069.12
Blower model DT6L	10826	1244.62

Tacking Nozzle



Item	Code	Price
Tacking nozzle	10187	42.87

Round Nozzle



Item	Code	Price
Round nozzle	10186	21.44

Speed Welding Nozzle (Round)



Item	Code	Price
SSD 3 for 3mm round wire	10175	87.09
SSD 4 for 4mm round wire	10176	87.09
SSD 5 for 5mm round wire	10177	87.09
SSD 3 for 3mm round wire (45° angle right)	22887	128.64
SSD 3 for 3mm round wire (45° angle left)	22888	128.64
SSD 4 for 4mm round wire (45° angle right)	22889	128.64
SSD 4 for 4mm round wire (45° angle left)	22890	128.64

Speed Welding Nozzle (Profile)



Item	Code	Price
SSD/Prof 3x3x4 for profile wire 90-4	11001	128.61
SSD/Prof 3x3x5 for profile wire 80/90-5	11002	128.61
SSD/Prof 4x4x6 for profile wire 80/90-6	11003	128.61
SSD/Prof 5x5x6 for profile wire	11004	128.61
SSD/Prof 5x5x7 for profile wire 80/90-7	11005	128.61
SSD/Prof 6x6x8 for profile wire 90-8	11006	128.61
SSD/Prof 7x7x7 for profile wire 60-7	11007	128.61
SSD/Prof B&M rod with reinforced lip	18155	139.36

Speed Welding Nozzle with Tacking Tip



Item	Code	Price
SSD/HD 3 for 3mm round wire	10173	112.53
SSD/HD 4 for 4mm round wire	10174	112.53
SSD/HD 5 for 5mm round wire	10181	112.53
SSD/HD 6 for 6mm round wire	11721	112.53
SSD/HD 4 for 4mm round wire (45° angle right)	22891	167.50
SSD/HD 4 for 4mm round wire (45° angle left)	22892	167.50

Speed Welding Cast Nozzle



Item	Code	Price
SSD 3C for 3mm round wire	13020	87.09
SSD 4C for 4mm round wire	17346	87.09
SSD 3C 3 for 3mm round wire (45° angle right)	22893	100.80
SSD 3C 3 for 3mm round wire (45° angle left)	22894	100.80
SSD 4C 4 for 4mm round wire (45° angle right)	22895	100.80
SSD 4C 4 for 4mm round wire (45° angle left)	22896	100.80

Speed Welding Cast Nozzle with Tacking Tip



Item	Code	Price
SSD/HD 3C for 3mm round wire	11716	112.53
SSD/HD 4C for 4mm round wire	11715	112.53
SSD/HD 5C for 5mm round wire	22323	132.66

Accessories



Item	Code	Price
Digital temperature gauge	24644	273.29
Air flow meter	11087	184.89



Hand-held Fusion Tools

- ✓ Suitable for PE, PP and PVDF
- ✓ Portable and easy to use

Widos hand-held heating tools are round or rectangular in design. They include electronic or thermostatic temperature control (a digital display is optional for the electronic version). The electronic control also features temperature adjustment and control in accordance with DVS 2208.

Heating surfaces are PTFE coated. All tools have an on/off switch, a mains control lamp and a control lamp for heating intervals. A steel carry case or heat-protected box may be ordered for safe transport of the tools.

Special voltages and dimensions are also available on request.



Round Hand-held Heating Tools

Size	Control	Power	Code	Price
≤ 90mm Dia.	Thermostatic	110v / 315w	H0090T110	427.78
≤ 90mm Dia.	Electronic	110v / 315w	H0090E110	496.78
≤ 120mm Dia.	Thermostatic	110v / 500w	H0120T110	407.09
≤ 120mm Dia.	Electronic	110v / 500w	H0120E110	563.01
≤ 200mm Dia.	Thermostatic	110v / 800w	H0200T110	545.07
≤ 200mm Dia.	Electronic	110v / 800w	H0200E110	683.07
≤ 295mm Dia.	Thermostatic	110v / 1500w	H0320T110	662.36
≤ 295mm Dia.	Electronic	110v / 1500w	H0320E110	793.45

Square Hand-held Heating Tools

Size	Control	Power	Code	Price
150mm x 150mm	Thermostatic	110v / 750w	H0150VT110	391.90
150mm x 150mm	Electronic	110v / 750w	H0150VE110	478.83
250mm x 250mm	Thermostatic	110v / 2000w	H0250VT110	637.53
250mm x 250mm	Electronic	110v / 2000w	H0250VE110	739.64



Free Training

We can provide free installer training either on site or at our bespoke training facility.

Contact Tony Charlton or Tom Tate on:

0800 975 79 71



Weld IT® Socket Fusion Tool

Hand held welding tool

- ✓ Suitable for PE, PB, PP and PVDF
- ✓ Multiple connections possible on each tool

Socket fusion tool with electronic temperature control for use with socket fusion blocks up to 63mm. A digital temperature display with convenient buttons to set the temperature. The tool comes complete with vice support stand for use on site or in the workshop.

Everything is packed in a steel carrying case including spigot and socket heating blocks in sizes 20/25/32/40/50/63mm.

110V

50/60 Hz

1.7 kg

Maximum temperature: 260°C

Maximum temperature tolerance +/- 5°C



Socket Fusion Tool Complete

Size	Control	Power	Connections	Code	Price
20-63mm	Electronic	110v	2	WELDIT 110V	457.26

Spare Parts

Item	Size (O.D. mm)	Code	Price
Table clamp		HM001	40.04
Heating block, non-stick coated	16	HD016S	28.98
Heating block, non-stick coated	20	HD020S	30.36
Heating block, non-stick coated	25	HD025S	33.12
Heating block, non-stick coated	32	HD032S	52.43
Heating block, non-stick coated	40	HD040S	59.34
Heating block, non-stick coated	50	HD050S	63.47
Heating block, non-stick coated	63	HD063S	75.89
Peeling and chamfering tool	20	799.300.260	143.97
Peeling and chamfering tool	25	799.300.270	143.97
Peeling and chamfering tool	32	799.300.280	143.97
Peeling and chamfering tool	40	799.300.290	198.35
Peeling and chamfering tool	50	799.300.300	213.02
Peeling and chamfering tool	63	799.300.310	242.41



Weld It Socket Fusion Tool Carrying Case



Weld It Socket Fusion Tool with Bench Stand



Digital Display



Bench Stand

Type 7511 Workshop Socket Fusion Tool

- ✓ Suitable for PE, PB, PP and PVDF
- ✓ Size range from 20mm O.D. to 75mm O.D.

The Widos Type 7511 socket fusion welding machine will weld piping systems made from PE, PB, PP or PVDF in sizes from 20mm O.D. up to 75mm O.D.

This machine has easy adjustment on both sides of the tool to ensure correct alignment. There are two clamps on the pipe side, whereas the fitting side has a single clamp plus an insertion stop. The insertion stop will control the entry of the pipe into the fitting.

The electronically controlled heating element (230V/630W) holds the anti-stick coated heating tools. A rack-and-pinion mechanism controls the opening and closing motion of the machine.



The Type 7511 is optionally available with 110v supply and with inch sized heater blocks.

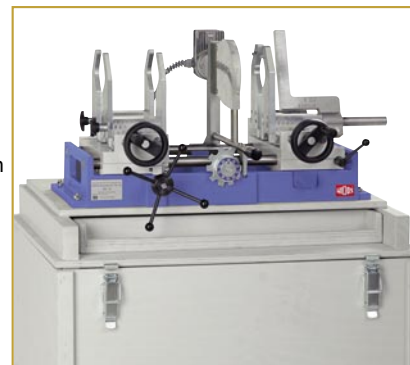
Type 3511 Workshop Socket Fusion Tool

- ✓ Suitable for PE, PB, PP and PVDF
- ✓ Type 3511 size range from 20mm O.D. to 110mm or 125mm O.D.

The Widos Type 3511 socket fusion welding machine will weld piping systems made from PE, PB, PP or PVDF in sizes from 20mm O.D. up to 110mm O.D., or up to 125mm O.D.

The machines are mounted on a solid frame and have easy adjustment on both sides of the tool to ensure correct alignment. There are two clamps on the pipe side, whereas the fitting side has a single clamp plus an insertion stop. The insertion stop will control the entry of the pipe into the fitting.

The electronically controlled heating element (230V/1100W) is in accordance with DVS 2208. It holds the anti-stick coated heating tools which may also be ordered in inch dimensions if required. It can also be removed from the prismatic mount and put into a table locking device for external use. A rack-and-pinion mechanism controls the opening and closing motion of the machine.



Special voltages are also available to order.

Socket Fusion Machines Type 7511, 3511

Item	Size (O.D. mm)	Code	Price
Widos Type 7511 * (110v / 630w)	20 - 75	3701110	
Steel carry case for Type 7511		TK0075	
Widos Type 3511 / OD110 * (110v / 1100w)	20 - 110	3720110	
Widos Type 3511 / OD125 * (110v / 1100w)	20 - 125	3740110	on application
Transport and mounting case for Type 3511		TK3500	
Packing (not required if transport case is purchased)		TV0955	
* Heating blocks not included			

Accessories

Item	Size (O.D. mm)	Code	Price
Heating block, non-stick coated, grey *	20	HD020S	
Heating block, non-stick coated, grey *	25	HD025S	
Heating block, non-stick coated, grey *	32	HD032S	
Heating block, non-stick coated, grey *	40	HD040S	
Heating block, non-stick coated, grey *	50	HD050S	
Heating block, non-stick coated, grey *	63	HD063S	
Heating block, non-stick coated, grey *	75	HD075S	
Heating block, non-stick coated, grey *	90	HD090S	on application
Heating block, non-stick coated, grey *	110	HD110S	
Heating block, non-stick coated, grey *	125	HD125S	
Heating block, non-stick coated, grey *	140	HD140S	
* Available inch sizes on request			

SG160 Workshop Combined Socket and Butt Fusion Tool

Butt Fusion Welding

- ✓ Suitable for PE, PP and PVDF
- ✓ Sizes from 32mm to 160mm

Socket Fusion Welding

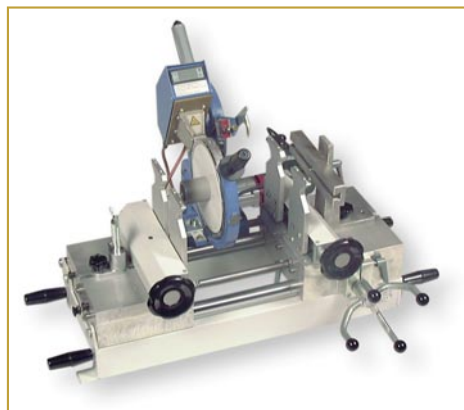
- ✓ Suitable for PE, PB, PP and PVDF
- ✓ Sizes from 16mm to 110mm

The SG160 combined socket and butt fusion tool is a convenient and compact workshop or site tool providing versatile options for use.

As a butt fusion tool it includes motorized parallel planing of the pipe ends, and a heating element with exchangeable PTFE cover sheets. When used for socket fusion welding, it features motorized peeling and chamfering.

Heating surfaces are PTFE coated. All tools have an on/off switch and a digital temperature display.

The standard SG160 includes a 110v power supply. 240v machines are available on request.



SG160 Combined Socket and Butt Fusion Tool

Item	Code	Price
SG160 Complete *	SG160	on application

* Machine includes electric planer, heating element, clamping device for butt fusion in sizes 32mm to 160mm, heating blocks for socket fusion in sizes 20mm to 110mm, and transportation case.

Spares

Item	Size (O.D. mm)	Code	Price
Heating block, non-stick coated, grey *	20	HD020S	
Heating block, non-stick coated, grey *	25	HD025S	
Heating block, non-stick coated, grey *	32	HD032S	
Heating block, non-stick coated, grey *	40	HD040S	
Heating block, non-stick coated, grey *	50	HD050S	
Heating block, non-stick coated, grey *	63	HD063S	
Heating block, non-stick coated, grey *	75	HD075S	
Heating block, non-stick coated, grey *	90	HD090S	
Heating block, non-stick coated, grey *	110	HD110S	on application
Heating block, non-stick coated, green *	20	HD020	
Heating block, non-stick coated, green *	25	HD025	
Heating block, non-stick coated, green *	32	HD032	
Heating block, non-stick coated, green *	40	HD040	
Heating block, non-stick coated, green *	50	HD050	
Heating block, non-stick coated, green *	63	HD063	
Heating block, non-stick coated, green *	75	HD075	
Heating block, non-stick coated, green *	90	HD090	
Heating block, non-stick coated, green *	110	HD110	

* Available inch sizes on request



Tool Hire

Many of our workshop or site welding tools are available for hire on a weekly basis. In most cases the hire includes welder training either on site or in our workshop by TWI certified CSWIP qualified welding professionals.

To discuss machine hire or welder training contact Tony Charlton on tcharlton@ipsflowsystems.com

Type 2500 Workshop Butt Fusion Tool

- ✓ Suitable for PE, PP and PVDF
- ✓ Size range from 50mm O.D. to 75mm O.D.

The Widos Type 2500 butt fusion welding machine will weld piping systems made from PE, PP or PVDF. The three standard machines will weld pipes in diameters from 50mm O.D. to 160mm O.D., 50mm O.D. to 250mm O.D., or 50mm O.D. to 315mm O.D. A special "Kombi" model is also available that provides butt fusion welding in pipe diameters from 50mm O.D. to 160mm O.D., and socket fusion welding in pipe diameters from 20mm O.D. to 125mm O.D.

The machine includes an electrically operated planer and electronic heating element. The clamping tool is divided into two parts (except for 160mm), each side swivelling up to 15° with clamping inserts and pipe support. This allows welding of segmented bends. A transport and mounting crate is available for safe, clean and protected storage.

The Type 2500 is a handy, mobile welding machine that is suitable for use on site as well as in the workshop. It is available for use with a 110v or 230v power supply - please specify with order.



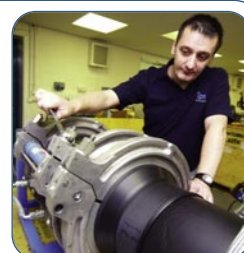
Butt Fusion Machines Type 2500

Item	Size (O.D. mm)	Code	Price
Widos Type 2500 / OD 160 *	50 - 160	38SV11N1	on application
Widos Type 2500 / OD 250 *	50 - 250	38SV21N1	
Widos Type 2500 / OD 315 *	50 - 315	38SV01N1	
Transport case		TK2500	

* Machine includes planer, heating element, basic clamping device, reducer inserts in sizes to suit the machine and prismatic pipe support. For component and accessory prices, please enquire.

Machine Hire

Don't have the tools?
We have a dedicated fleet of
welding equipment available to
hire on a weekly basis.



Type 4001 Workshop Butt Fusion Tool

- ✓ Suitable for PE, PP and PVDF
- ✓ Sizes from 90mm to 315mm

The Widos Type 4001 is a rugged and reliable machine designed for welding polyolefine pipes in the size range from 90mm O.D. to 315mm O.D. An optional extension kit is available to increase the size range up to 450mm O.D.

A universal control lever with separate pressure setting manage the electro-hydraulic welding forces, distances and speeds during the welding process. The planer includes a high torque electrical chain drive and exchangeable blades. Other features of this machine include external chip removal, an adjustable timer and a clamping device that swivels on each side up to 15° for the welding of segmented bends and fittings.

This bench machine can be ordered with an optional support frame if required, and is supplied complete with two carrying handles to assist portability. The hydraulic unit, planer, heating element and clamping tools can also be easily removed for transporting the machine. Other options include special tools to enable the production of tees and crosses, or the electronic weld log recorder SPA 600 which automatically documents all relevant welding parameters.



Butt Fusion Machine Type 4001

Item	Size (O.D. mm)	Code	Price
Widos Type 4001 (110v / 1300w)	90 - 315	0241110	on application
Conversion kit to 450mm *	90 - 450	02410110	
Steel support frame		024101	

* Kit includes basic machine with hydraulics but without planer and basic clamping device.

For component and accessory prices, please enquire.

Type 4002 Workshop Butt Fusion Tool

- ✓ Suitable for PE, PP and PVDF
- ✓ Sizes from 90mm to 315mm

The Widos Type 4002 is a rugged and reliable machine designed for welding polyolefine pipes in the size range from 90mm O.D. to 315mm O.D. An optional extension kit is available to increase the size range up to 450mm O.D.

A universal control lever with separate pressure setting manage the electro-hydraulic welding forces, distances and speeds during the welding process. The planer includes a high torque electrical chain drive and exchangeable blades. Other features of this machine include external chip removal, an adjustable timer and a clamping device that swivels on each side up to 15° for the welding of segmented bends and fittings.

This machine is supplied fitted to a heavy duty support frame, and is complete with two carrying handles to assist portability. The hydraulic unit, planer, heating element and clamping tools can also be easily removed for transporting the machine. Other options include special tools to enable the production of tees and crosses, or the electronic weld log recorder SPA 600 which automatically documents all relevant welding parameters. CNC control may be included for semi-automatic operation and high levels of control.



Butt Fusion Machine Type 4002

Item	Size (O.D. mm)	Code	Price
Widos Type 4002 (110v / 1300w)	90 - 315	0231110	on application
Conversion kit to 450mm *	90 - 450	02310110	
Widos Type 4002 with SPA 600 recorder (110v / 1300w)	90 - 315	0231110SP	
Widos Type 4002 S CNC (110v / 1300w)	90 - 315	1720110	

* Kit includes basic machine with hydraulics but without planer and basic clamping device.

For component and accessory prices, please enquire.

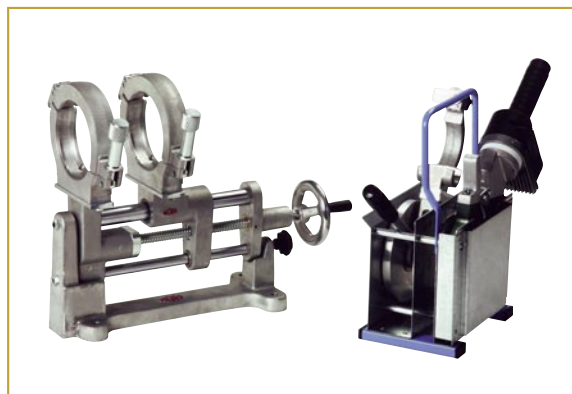
Miniplast 2 Portable Butt Fusion Tool

- ✓ Suitable for PE, PP and PVDF
- ✓ Size range from 20mm O.D. to 110mm O.D.
- ✓ Highly portable device

The Widos Miniplast 2 is a butt welding machine for PE, PP and PVDF pipes and fittings in diameters from 20mm O.D. to 110mm O.D. It is lightweight and compact.

The special design of this machine makes it suitable for welding in confined spaces where other machines would be unsuitable.

The basic machine has two large aluminium basic clamping tools which swivel up to 15° on each side for the fabrication of segmented bends. By screwing in 4 small reduction inserts, clamping is possible on smaller diameters. For fittings with short legs, a small fitting clamping tool is available. The light and compact manual planer is ratchet operated (electric option), and the electronically controlled heating element is accordance with DVS 2208.



A steel carry case and heat-protected box for the planer and heating element is included when the complete machine is purchased. It is available for use with a 110v or 230v power supply - please specify with order.

Miniplast 2 Butt Fusion Machine

Item	Size (O.D. mm)	Code	Price
Widos Miniplast 2 *	20 - 110	45SVMIN1	on application
Electric planer (110v)		4504110	
Electric planer (230v)		4504230	

* Machine includes table support, ratchet planer, heating element, clamping device for 110mm with reducer inserts in sizes 20mm to 90mm, heat protected box and steel carry case.
For component and accessory prices, please enquire.

Maxioplast Portable Butt Fusion Tool

- ✓ Suitable for PE, PP and PVDF
- ✓ Size range from 50mm O.D. to 160mm O.D.
- ✓ Highly portable device

The Widos Maxioplast is a butt welding machine for PE, PP and PVDF pipes and fittings in diameters from 50mm O.D. to 160mm O.D. It is lightweight and compact.

The special design of this machine makes it suitable for welding in confined spaces where other machines would be unsuitable.

The basic machine has two large aluminium basic clamping tools which swivel up to 15° on each side for the fabrication of segmented bends. By using reduction inserts, clamping is possible on smaller diameters. The compact planer is electrically operated, and the electronically controlled heating element is accordance with DVS 2208.



A transportation case and heat-protected box for the planer and heating element is included when the complete machine is purchased. It is available for use with a 110v or 230v power supply - please specify with order.

Maxioplast Butt Fusion Machine

Item	Size (O.D. mm)	Code	Price
Widos Maxioplast *	50 - 160	45SVMAX	on application

* Machine includes table support, electric planer, heating element, clamping device with reducer inserts in sizes 50mm to 140mm, heat protected box and transportation case.
For component and accessory prices, please enquire.

Proxima Centaur Electrofusion Machine

- ✓ Suitable for PE and PP fittings up to 48v
- ✓ Welding process is monitored throughout
- ✓ Barcode or manual entry
- ✓ Simple to operate
- ✓ Robust yet easy to handle



- Level 3 Maxifuse Proxima Centaur electrofusion processor
- Available for use with either 110 or 230 volt A.C. supplies
- Fusion times input manually, by reading barcode
- Detachable fitting supply chord with military plug & socket and choice of 4.0 or 4.7mm fittings connector plugs
- Output voltage level user selectable 10-48 in manual mode
- Optional operative ID card recognition and lock out for restricting unqualified users
- Optional ability to accept additional information on the joint, e.g. batch no etc.
- Confirmation the joint was scraped and clamped
- Bar code reader option and manual override
- USB port to download weld data
- Optional control function to restrict welder activities e.g. jointing up to 180mm, from 180-355mm & 355mm
- Multilingual display

Technical Data

Operating mode:	Manual Time Entry Bar Code Entry	Output voltage:	39.5v ac true rms (default 40v mode) (10 to 48v ac selectable in 40v manual mode) (8 to 48v ac in barcode mode)
GPS location:	Available on Request	Output stability:	+/- 1.5%
Data log memory:	702 welds	Output current:	1 A to 60 A (continuous)
Memory download:	USB Flash Disc	Output power:	40w to 2370w
Languages:	English (others available on request)	Operating temp:	-10°C to +40°C
Input voltage:	110v ac (88 to 132) or 240v ac (184 to 276)	Weight:	22.6kg (excluding output leads)
Input frequency:	50 Hz (40 to 70)	Dimensions:	38.5 x 27.5 x 21.5cm
Input current:	1 A to 30 A with 110v input 1 A to 14 A with 240v input	Protection level:	IP54
Input power:	110 VA to 3300 VA (apparent)	Protection class:	Class 1 (equipment must be earthed)
Power factor:	Apparent 0.72		

Information display:

All the welding information and entered data is shown here. The display is permanently illuminated and is visible in all light conditions.

USB data port:

The USB data port allows connection to a USB memory device for downloading the weld information records. With a barcode reader wand or scanner connected to the USB data port the capability of performing full barcode welding is enabled.

Start button:

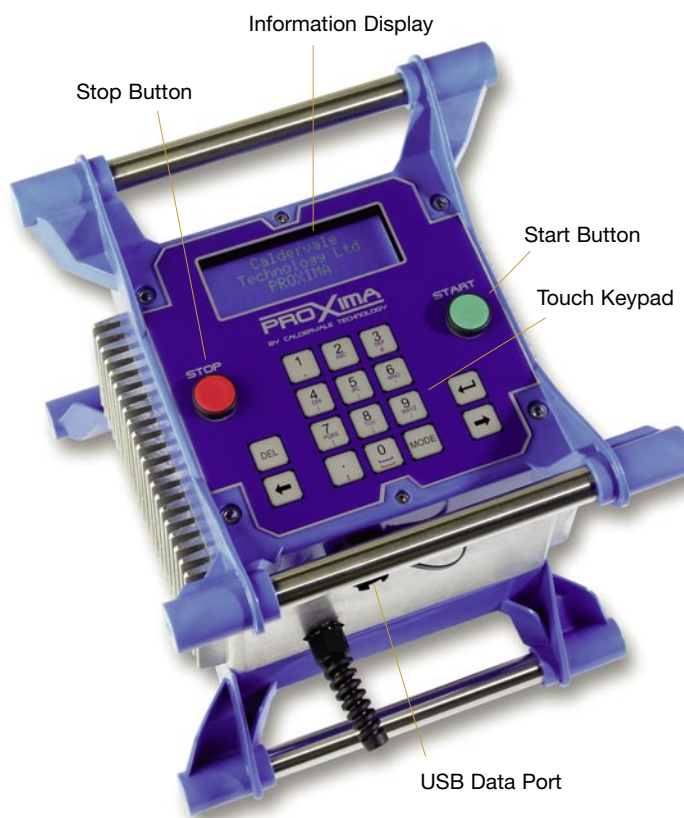
Used to start the welding cycle also used in entering weld information.

Stop button:

Used to stop the welding cycle also used in entering weld information.

Keypad:

Used for entering weld information. Designed to withstand harsh site environments.



Type 4400/4600/4900 Site Butt Fusion Tool

- ✓ Suitable for PE, PP and PVDF
- ✓ Type 4400 size range from 50mm O.D. to 160mm O.D.
- ✓ Type 4600 size range from 75mm O.D. to 250mm O.D.
- ✓ Type 4900 size range from 90mm O.D. to 315mm O.D.
- ✓ Can be retro-fitted with SPA weld log recorder
- ✓ CNC version available

The Widos Types 4400/4600/4900 are butt welding machines for PE, PP and PVDF pipes and fittings that have been designed for rugged use on construction sites and in trenches.

The machine has a double clamping device with quick clamping on the fixed and on the movable side guided by two hydraulic cylinders. There are two flexible hoses with quick-action couplings for connection to the hydraulic control unit. The double clamping devices are screwed to the steel pipe frame. The outer fixed clamping tool can be easily dismantled to enable welding in places of poor accessibility.

The electro-hydraulic unit (for moving the right-hand clamping device and for the exact control of the welding forces) has a pressure backup for supporting the welding force during the cooling period, two quick-action couplings as well as a digital pressure gauge.

The planer is suspended in the guide shafts, has a chain drive in a closed aluminium housing, a security micro switch with lock and an automatic external chip removal.

The heating element is suspended in the guide shafts and is anti-stick coated. It has an electronic temperature control with digital display, control lamps, an on/off switch and a connection cable with shock-proof plug. The heat-separating device prevents the heating element from sticking to the pipe after the heating process.

The Widos 4400, 4600 and 4900 welding machines can easily be retrofitted with the Widos SPA weld log recorder and can also be supplied in CNC controlled version. Automatic movement of the heating element is also an option. The machines are supplied with a transportation case and are available for use with a 110v or 230v power supply - please specify with order.



Type 4400



Type 4600



Type 4900

Butt Fusion Machine Type 4400

Item	Size (O.D. mm)	Code	Price
Widos Type 4400 with 160mm clamping device *	50 - 160	16SV44N1	on application
Widos Type 4400 SPA600 with 160mm clamping device *	50 - 160	62SV44S1	
Widos Type 4400 CNC3.0 with 160mm clamping device *	50 - 160	62SV44C1	
Reducer inserts, set 50mm - 140mm		16VS140	

* Reducer inserts not included

Butt Fusion Machine Type 4600

Item	Size (O.D. mm)	Code	Price
Widos Type 4600 with 250mm clamping device *	75 - 250	09SV46N1	on application
Widos Type 4600 SPA600 with 250mm clamping device *	75 - 250	09SV46S1	
Widos Type 4600 CNC3.0 with 250mm clamping device *	75 - 250	61SV46C1	
Reducer inserts, set 75mm - 225mm		09VS225	

* Reducer inserts not included

Butt Fusion Machine Type 4900

Item	Size (O.D. mm)	Code	Price
Widos Type 4900 with 315mm clamping device *	90 - 315	21SV49N1	on application
Widos Type 4900 SPA600 with 315mm clamping device *	90 - 315	21SV49S1	
Widos Type 4900 CNC3.0 with 315mm clamping device *	90 - 315	63SV49C1	
Reducer inserts, set 90mm - 280mm		21VS280	

* Reducer inserts not included

Type 5100/5500/6100 Site Butt Fusion Tool

- ✓ Suitable for PE, PP and PVDF
- ✓ Type 5100 size range from 200mm O.D. to 450mm O.D.
- ✓ Type 5500 size range from 200mm O.D. to 500mm O.D.
- ✓ Type 6100 size range from 315mm O.D. to 630mm O.D.
- ✓ Can be retro-fitted with SPA weld log recorder
- ✓ CNC version available

The Widos Types 5100/5500/6100 are butt welding machine for PE, PP and PVDF pipes and fittings that have been designed for rugged use on construction sites and in trenches.

The machine has a double clamping device with quick clamping on the fixed and on the movable side guided by two hydraulic cylinders. There are two flexible hoses with quick-action couplings for connection to the hydraulic control unit. The double clamping devices are screwed to the steel pipe frame. The outer fixed clamping tool can be easily dismounted to enable welding in places of poor accessibility.

The electro-hydraulic unit (for moving the right-hand clamping device and for the exact control of the welding forces) has a pressure backup for supporting the welding force during the cooling period, two quick-action couplings as well as a digital pressure gauge.

The planer is suspended in the guide shafts, has a chain drive in a closed aluminium housing, a security micro switch with lock and an automatic external chip removal.

The heating element is suspended in the guide shafts and is anti-stick coated. It has an electronic temperature control with digital display, control lamps, an on/off switch and a connection cable with shock-proof plug. The heat-separating device prevents the heating element from sticking to the pipe after the heating process.

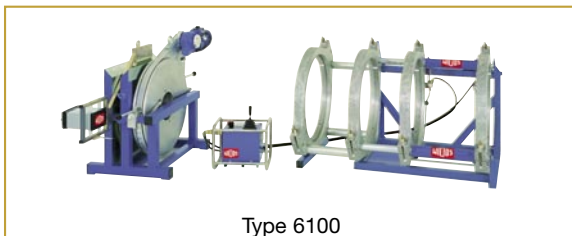
The Widos 5100, 5500 and 6100 welding machines can easily be retrofitted with the Widos SPA weld log recorder and can also be supplied in CNC controlled version. Automatic movement of the heating element is also an option. The machines are supplied with a transportation case and are available for use with a 415v 3 phase power supply.



Type 5100



Type 5500



Type 6100

Butt Fusion Machine Type 5100

Item	Size (O.D. mm)	Code	Price
Widos Type 5100 with 450mm clamping device *	200 - 450	07SV51N1	on application
Widos Type 5100 SPA600 with 450mm clamping device *	200 - 450	07SV51S1	
Widos Type 5100 CNC3.0 with 450mm clamping device *	200 - 450	64SV51C1	
Reducer inserts, set 200mm - 400mm		07VS400	

* Reducer inserts not included

Butt Fusion Machine Type 5500

Item	Size (O.D. mm)	Code	Price
Widos Type 5500 with 500mm clamping device *	200 - 500	39SV55N1	on application
Widos Type 5500 SPA600 with 500mm clamping device *	200 - 500	09SV46S1	
Widos Type 5500 CNC3.0 with 500mm clamping device *	200 - 500	39SV55C1	
Reducer inserts, set 200mm - 450mm		39VS450	

* Reducer inserts not included

Butt Fusion Machine Type 6100

Item	Size (O.D. mm)	Code	Price
Widos Type 6100 with 630mm clamping device *	315 - 630	08SV61N1	on application
Widos Type 6100 SPA600 with 630mm clamping device *	315 - 630	08SV61S1	
Widos Type 6100 CNC3.0 with 630mm clamping device *	315 - 630	65SV61C1	
Reducer inserts, set 315mm - 560mm		08VS560	

* Reducer inserts not included

AGRU SP Series IR Fusion

FULLY AUTOMATED WELDING OPERATION

All welding parameters are recorded by the computer. By means of a touch-screen, all steps are controlled and sequential.

OPERATOR CONTROL

Use of the machine is controlled by PCMCIA cards which also double as storage discs for downloading of welding data from the computer's memory. Historical welding information can be recalled at any time and displayed on screen, simplifying traceability.

THE FUSION PROCESS

The computer will control pressure, temperature, heating time and cooling time according to pre-programmed welding parameters which meet the requirements of DVS.

CLAMPING TOOLS

The clamping tools are equipped with a new and unique closing device which ensures uniform and repeatable clamping pressure.

HEATING ELEMENT

The heating element is produced from a special alloy which is controlled and automatically changed to compensate for the smallest temperature changes.

SUITABLE FOR CLEAN ROOM USE

(Class 100 and less)

All surfaces are specially heated and coated to protect against particle generation. Motors and actuators are encapsulated, and guiding devices are free of oil and are fully covered. Records of each weld are printed onto a special thermal printer onto a thermoplastic label which resists IPA.

POWER SUPPLY

Special voltage limiting circuits are included so that the machine is insensitive to spikes. If the voltage is incorrect, it is visible on the touch-screen.

WIDE SIZE RANGE

The SP110S machine welds 20mm to 110mm.
The SP315S machine welds 75mm to 315mm.



Agru SP110S computer controlled IR welding machine



Highly reproducible accurate weld beads Printed labels give weld traceability



Touch screen computer control displays live welding parameters

Agru SP110S IR Fusion

- ✓ Suitable for welding PP, PVDF, PFA and ECTFE
- ✓ Size range 20mm to 110mm
- ✓ Infra Red (IR) heating element
- ✓ Fully automatic welding
- ✓ Touch screen controls
- ✓ PCMCIA code card included
- ✓ Optional thermolabel printer
- ✓ Optional nitrogen purge



Agru SP315S IR Fusion

- ✓ Suitable for welding PP, PVDF, PFA and ECTFE
- ✓ Size range 75mm to 250mm
- ✓ Infra Red (IR) heating element
- ✓ Fully automatic welding
- ✓ Touch screen controls
- ✓ PCMCIA code card included
- ✓ Optional thermolabel printer
- ✓ Optional nitrogen purge



NEW!

advanced welding systems

beadless welding technology



AGRU SP110-B

Bead and crevice free welding

SP110-B welding equipment enables beadless fusion with smooth inner bore and outer surface in the welding area.

During the fully automated fusion process the temperature, pressure and time are accurately regulated and documented. This beadless welding technology offers highest quality joints with excellent reproducibility.

Primarily designed for use with PVDF from 20mm od to 63mm od, the SP110-B is also suitable for use with PP material in the same dimensions.

For full details on this new technology please contact Tony Charlton or Tom Tate on 0191 521 3111.



Agru HPF Electrofusion

- ✓ Suitable for welding AGRU PVDF
- ✓ HPF sleeves can be used with all AGRU PVDF pipes and fittings
- ✓ Size range 20mm to 63mm
- ✓ Fully automatic barcoded welding system
- ✓ Ideal for final remote tie in welds
- ✓ Can be supplied with silicon balloon for high purity welding
- ✓ Optional long cables for welding in remote locations

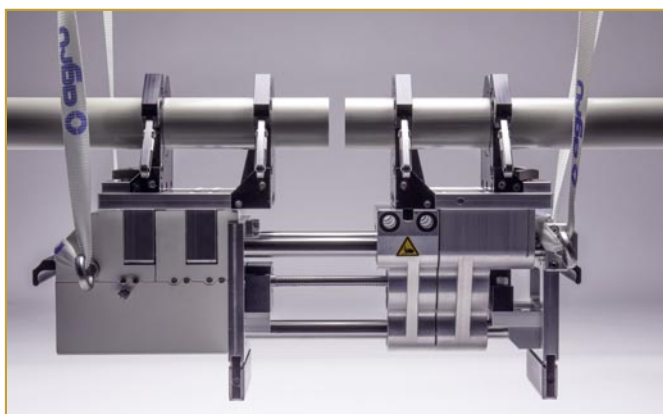
NEW!

remote IR welding technology



AGRU SP63-M

- ✓ Suitable for welding PP, PVDF, PFA and ECTFE
- ✓ Compact design for tight spaces
- ✓ Size range 20mm to 63mm
- ✓ Infra Red (IR) heating element
- ✓ Fully automatic welding
- ✓ Automated clamp movement and control
- ✓ Complete with label printer



Ideal for final remote tie in welds

When operating in confined spaces the clamping mechanism can be removed for direct attachment to the pipe. However full support is required to ensure correct alignment.

Once in position welding can be carried out using the standard infra red (IR) welding process.

For full details on this new technology please contact Tony Charlton or Tom Tate on 0191 521 3111.